

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2004/001879

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 H04B 17/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

H03M 3/00, H04B 1/40, 1/707, 7/216, 17/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean Patents and applications for inventions since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| A | US 6,407,689 B1 (Qualcomm, Incorporated) 18 June 2002 (18.06.02.) See the whole document | 1 |
| A | WO 1999/49586 A2 (Harris Corporation) 30 September 1999 (30.09.99.) See the whole document | 1 |
| A | US 2001/0033562 A1 (Interdigital Technology Corporation, Delaware Corporation) 25 October 2001 (25.10.01.) See the whole document | 1 |
| P, A | US 6,694,129 B2 (Qualcomm, Incorporated) 17 February 2004 (17.02.04.) See the whole document | 1 |

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

10 NOVEMBER 2004 (10.11.2004)

Date of mailing of the international search report

11 NOVEMBER 2004 (11.11.2004)

Name and mailing address of the ISA/KR



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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2004/001879

| Patent document cited in search report | Publication date | Patent family member(s) | Publication date |
|---|---------------------|----------------------------|---------------------|
| US 6,407,689 B1 | 18.06.02. | EP 1421697 A2 | 26.05.04. |
| WO 1999/49586 A2 | 30.09.99. | US 6603801 B1 | 05.08.03. |
| US 2001/0033562 A1 | 25.10.01. | None | |
| US 6,694,129 B2 | 17.02.04. | EP 2002056490 W2 | 18.07.02. |